

L/T
1
3438
S
NITRON
;STON
NATION
KEYWORDS
SOURCE

AUI43438
AUI43438
sequence.
AUI43438
AUI43438.1
EST.
human.

808 bp
mRNA
Homo sapiens
CDNA clone
Y79AA1001927.5', mRNA

EST
25-OCT-2000

ORGANISM	TITLE
Homo sapiens	
Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi:	
Mammalia: Eutheria: Primates: Catarrhini: Homnidae: Homo.	
1 (bases 1 to 808)	
Ota,T., Nishikawa,T., Suzuki,Y., Ishii,S., Saito,K., Kawai,Y.,	
Yamamoto,J., Wakamatsu,A., Nakamura,Y., Nagai,T., Sugano,S. and	
Isogai,T.	
HRI human cDNA project	
Unpublished (2000)	
Contact: Takao Isogai	
Genomics Laboratory	
Helix Research Institute	
1532-3 Yana, Kisarazu, Chiba 292-0812, Japan	
Tel.: 81-438-52-3951	
Fax: 81-438-52-3952	
email: genomics@hri.co.jp	
HRI human cDNA project; 5'- & 3'-end one pass sequencing; Helix	
Research Institute; cDNA library construction; Department of	
Viology; Institute of Medical Science, University of Tokyo, and	
Helix Research Institute.	

BASE COUNT	ORIGIN
190 a	256 c 189 g 170 t 3 others

QY	38	GTGCTCCGTGCTGATCTTAAAGGAACAGCCCTTCCAGCCGCGCCCACTGAACGGTCC	97
Db	1	GTGCTCGTGTGATCTTAAAGGAACGCTTCCAGCCGCGCCCACTGAACGGTCC	60
QY	98	AAGTGGACTTATTTGGTCTGATGGGGAAATAGCTGTGCTCCAGAAGTACCCGTGT	157
Db	61	AAGTGGACTTATTTGGTCTGATGGGGAAATAGCTGTGCTCCAGAAGTACCCGTGT	120
QY	158	GGGGCGCTGTGACATCCCCCATAGACCTGCACATGACATCTCCAGATGACGACAG	217
Db	121	GGGGCGCTGTGACATCCCCCATAGACCTGCACATGACATCTCCAGATGACGACAG	180
QY	218	CTCACGCCCCCTGAGTCCAAAGGCTACAACTGTGTGCCAACAGAGTTTCTCTGACC	277
Db	181	CTCACGCCCCCTGAGTCCAAAGGCTACAACTGTGTGCCAACAGAGTTTCTCTGACC	240
QY	278	AACATGGCCATTGCTAGTAGAGTGAACCTGCCCTGGAGCATCAATCCAGGGCCCTCCAG	337
Db	241	AACATGGCCATTGCTAGTAGAGTGAACCTGCCCTGGAGCATCAATCCAGGGCCCTCCAG	300
QY	338	TCTGCTACAGTGCACGACGCTGCACCTGCACACTGGGGGAACCCGATACCCGACGCG	397
Db	301	TCTGCTACAGTGCACGACGCTGCACCTGCACACTGGGGGAACCCGATACCCGACGCG	360
QY	398	TCTGAGCTACCGTCAGGGAGAGACACTTCCCGCGAGCTGCACATCTTCTATTATAC	457
Db	361	TCTGAGCACACCGTCAGGGAGAGACTTCCCGCGAGCTGCACATCTTCTATTATAC	420
QY	458	TCAAGACTTATCTGTAGACAGACAGNACTCCACAAAGTCAAGAGACCTCGCTGTCTG	517
Db	421	TCAGACTTATCTGTAGACAGACAGNACTCCACAAAGTCAAGAGACCTCGCTGTCTG	480
QY	518	GGTGTCTCATTTAGATGGGCTCCTTCAATCCGTCTATGACAAATCTTCACTACCTT	577
Db	481	GCTGTCTCATTTAGATGGGCTCCTTCAATCCGTCTATGACAAATCTTCACTACCTT	540
QY	578	CAACATGTAAAGTCAAAAGGCGCAGGAACATTCGTCCGGGATTTAACTTAAAGAGCTG	637
Db	541	CAACATGTAAAGTCAAAAGGCGCAGGAACATTCGTCCGGGATTTAACTTAAAGAGCTG	600
QY	638	CTTCCGGAGAGACCGCTGAATATTACTGCTA-CCGGGGGTCCCTGATTCACACCCCTTG	696
Db	601	CTTCCGGAGAGACCGCTGAATATTACTGCTA-CCGGGGGTCCCTGATTCACACCCCTTG	660
QY	697	CAACCCCATGTGCTGTGAGAG-TTTTCCGAAACCCCGTGAATTTCCAGAGACAC	755
Db	661	CAACCCCATGTGCTGTGAGAG-TTTTCCGAAACCCCGTGAATTTCCAGAGACAC	720
QY	756	TGCTGGCTTTGGAGACAGCCCTGTACTGCACACACATGGAGACACCTTCCCCAGAGAA	815
Db	721	TGCTGGCTTTGGAGACAGCCCTGTACTGCACACACATGGAGACACCTTCCCCAGAGAA	780
QY	816	TGATCAACAACCTCCGAGGCTCCAGAA 843	
Db	781	GATCAACAACCTCCGAGGCTCCAGAA 808	

BE780855	BE780855	696 bp	mRNA	EST	20-OCT-2000
LOCUS	601469465F1	NIH_MGC_67	Homo sapiens	cDNA clone	IMAGE:3872774 5',
DEFINITION	mRNA sequence.				
ACCESSION	BE780855				
VERSION	BE780855.1	GI:10202053			
KEYWORDS	EST.				
SOURCE	human.				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				

Db 296 TCAGACCTTATCTCAGCGCAGCACTGCGAGACAAAGTCAAGAGCCCTGCTGCTG 237
 QY 518 GGTGCTCTATTGAGATGGGCTCTTCATCCGCTCTATGACAAAGATCTTCACTCACTT 577
 Db 236 GCTGCTCTATTGAGATGGGCTCTTCATCCGCTCTATGACAAAGATCTTCACTCACTT 177
 QY 578 CAACATGTAAGTACAAAGAGCCGAGGAGCAATTTGTCCTCCGGGATTCACATTTGAAGAGCTG 637
 Db 176 CAACATGTAAGTACAAAGAGCCGAGGAGCAATTTGTCCTCCGGGATTCACATTTGAAGAGCTG 117
 QY 638 CTTCGAGAGAGAGCCGCTGAATATACCGCTACCGGGGGCCCTGATTCACACCCCTTGC 697
 Db 116 CTTCGAGAGAGAGCCGCTGAATATACCGCTACCGGGGGGGCTGACACACCCCTTGC 57
 QY 698 AACCCCATG-TGCTCTGACAGATTTCCGAAACCCGTCGAAATTTCCAGG 749
 Db 56 AACCCCATGATGCTCTGACAGATTTCCGAAACCCGTCGATTTGATTCCTGCTG 4

RESULT 11
 AA151754 600 bp mRNA EST 10-DEC-1996
 LOCUS 2029e02.r1 Stratagene colon (#937204) Homo sapiens cDNA clone
 ACCESSION IMAGE:588314 5', mRNA sequence.
 VERSION AA151754
 KEYWORDS AA151754.1 GI:1720309
 SOURCE EST.
 ORGANISM human.
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 600)
 AUTHORS Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chisoe, S., Dietrich, N., Dubuque, T., Favell, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Merdis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierly-Meg, J., Trevisan, E., Underwood, K., Wohlmann, P., Waterston, R., Wilson, R. and Marra, M.
 Generation and analysis of 280,000 human expressed sequence tags
 Genome Res. 6 (9), 807-828 (1996)
 97044478
 CONTACT: Wilson R
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@wustl.edu

This clone is available royalty-free through LNL; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Seq primer: -28M13 rev2 from Amersham
 High quality sequence stop: 439.

FEATURES

SOURCE

1. 600
 /organism="Homo sapiens"
 /db_xref="GDB:4620616"
 /db_xref="taxon:9606"
 /clone="IMAGE:588314"
 /clone_lib="Stratagene colon (#937204)"
 /tissue_type="tumor"
 /cell_line="T84 carcinoma cell line"
 /lab_host="SOLR cells (kanamycin resistant)"
 /note="Organ: colon; Vector: pBluescript SK-; Site: 1;
 EcoRI; Site: 2; XhoI; cloned unidirectionally. Primer:
 Oligo dt. T-84 colonic epithelial cell line. Average
 insert size: 1.0 kb. Uni-ZAP XR Vector; -5' adaptor
 sequence: 5' GAATTCGACGACG 3' -3' adaptor sequence: 5'
 CTCGAGCTTTTCTTTTCTTTT 3"

BASE COUNT 146 a 150 c 144 g 157 t 3 others

19.5%; Score 522.6; DB 3; Length 600;

Best Local Similarity 96.7%; Pred. No. 2,1e-122;
 Matches 584; Conservative 0; Mismatches 14; Indels 6; Gaps 5;
 QY 1105 GACCTTGCTTTGGACCTTACACACTTGGCTCTGTGACACTTGGACACTCAAGTGT 1164
 Db 1 GACCTTGCTTTGGACCTTACACACTTGGCTCTGTGACACTTGGACACTCAAGTGT 60
 QY 1165 TCTCTGTAGCTAATCTGAAACATGCCAGGCTCAGGATCTCTGCTGGTCTCT 1224
 Db 61 TCTCTGTAGCTAATCTGAAACATGCCAGGCTCAGGATCTCTGCTGGTCTCT 120
 QY 1225 TCTCTGTAGCTAATCTGAAACATGCCAGGCTCAGGATCTCTGCTGGTCTCT 1284
 Db 121 TCTCTGTAGCTAATCTGAAACATGCCAGGCTCAGGATCTCTGCTGGTCTCT 180
 QY 1285 CCAGCAGCAGGAAATCAAGTCTGCTGTAATGTGTGAGATTTGCAAGTCTGTA 1344
 Db 181 CCAGCAGCAGGAAATCAAGTCTGCTGTAATGTGTGAGATTTGCAAGTCTGTA 240
 QY 1345 ATTCTGAAATCAAAACCA-CCATGCTGTGTGGCCATTATGTGGAACACTTCA 1403
 Db 241 ATTCTGAAATCAAAACCAAGCAGTGTGTGGCCATTATGTGGAACACTTCA 300
 QY 1404 TCCGGGCTTTGCCAGAGCTGCTTCAAGTGTCTGGAATTTGCTGCTTCCAGC 1463
 Db 301 TCCGGGCTTTG-CAGAGCTGCTTCAAGTGTCTGGAATTTGCTGCTTCCAGC 359
 QY 1464 TTTCAACAGAGATGTGACCTCTGCTTGAATTTGCTGGAATTTGCTTCC 1523
 Db 360 TTTCAACAGAGATGTGACCTCTGCTTGAATTTGCTGGAATTTGCTTCC 419
 QY 1524 TCTGAGAGCGGACATCTCCCTCTATTTCTTCTGCTATG-CAAAACCTTATCTGCA 1582
 Db 420 TCTGAGAGCGGACATCTCCCTCTATTTCTTCTGCTATG-CAAAACCTTATCTGCA 479
 QY 1583 CCTTACANACTGGGGGACAAATGGGGACAGAGATCAAGTTGAGAGNMAAATAA 1642
 Db 480 CCTTACANACTGGGGGACAAATGGGGACAGAGATCAAGTTGAGAGNMAAATAA 538
 QY 1643 AACAGAGATATATATTTGATATATATTAGGACACTTTCACAGTCTGCTCTGAT 1702
 Db 539 AACAGAGATATATATTTGATATATATTAGGACACTTTCACAGTCTGCTCTGAT 596
 QY 1703 CACA 1706
 Db 597 CACA 600

RESULT 12
 AM051878/c 542 bp mRNA EST 20-OCT-2000
 LOCUS w204405.x1 NCI-CGAP_Brn23 Homo sapiens cDNA clone IMAGE:2557065 3',
 DEFINITION mRNA sequence.
 ACCESSION AM051878
 VERSION AM051878.1 GI:5914237
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 542)
 AUTHORS NCI/NIH-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
 TITLE National Cancer Institute / National Institute of Neurological
 Disorders and Stroke, Brain Tumor Genome Anatomy Project
 (CGAP/BRGAP), Tumor Gene Index
 JOURNAL Unpublished (1998)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Tel: (301) 496-1506
 Email: Robert.Strausberg@nih.gov
 Tissue Procurement: David N. Louis, M.D., Myrna R. Rosenfeld M.D.,
 Ph.D.
 CDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
 Bonaldo, Ph.D.

Query Match	39.9%	Score 1067.8	DB 9	Length 1104	*
Best Local Similarity	99.3%	Fred. No. 1.7e-292			
Matches 1072	Conservative 0	Matches 8	Indels 0	Gaps 0	
OY	1	CGCGAAGATGCCCGCGGCAGCCTTCACGCGCGCGCGCGCTCTCTGTCGTGTATCTTANA	60		
Db	25	CGCGAAGATGCCCGCGGCAGCCTTCACGCGCGCGCGCGCTCTCTGTCGTGTATCTTANA	84		
OY	61	GGAACAGCCTTCACACCCCGGCCCGACGTAAAGCGTTCCAAAGTGACTATTTTGGTCTGA	120		
Db	85	GGAACAGCCTTCACACCCCGGCCCGACGTAAAGCGTTCCAAAGTGACTATTTTGGTCTGA	144		
OY	121	TGGGGAATATAGCTGTGTCCAGAACTACCCGCTGCTGGGGGCTGCTGCTCACTCCCCCAT	180		
Db	145	TGGGGAATATAGCTGTGTCCAGAACTACCCGCTGCTGGGGGCTGCTGCTCACTCCCCCAT	204		
OY	181	AGACCTGCACAGTGCATCTCTCCAGTATGACGCCACGCTCAGCCCTCTCGAGTTCCAAGG	240		

RESULT	10
AX057576	
LOCUS	AX057576 1104 bp DNA
DEFINITION	Sequence 1 from Patent WO0075190.
ACCESSION	AX057576
VERSION	AX057576.1 GI:12310259
KEYWORDS	
SOURCE	human.
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo. Torczynski, R.M. and Bollon, A.P.

03 -JUN-1999: 9905-0137396.
 PR 03-JUN-1999: 9905-0137411.
 PR 03-JUN-1999: 9905-0137417.
 PR 04-AUG-1999: 9905-0137377.
 PR 04-AUG-1999: 9905-0137436.
 PR 05-AUG-1999: 9905-0137500.
 PR 05-AUG-1999: 9905-0137520.
 PR 05-AUG-1999: 9905-0137527.
 PR 05-AUG-1999: 9905-0137530.
 PR 05-AUG-1999: 9905-0137536.
 PR 05-AUG-1999: 9905-0137541.
 PR 05-AUG-1999: 9905-0137542.
 PR 05-AUG-1999: 9905-0137547.
 PR 05-AUG-1999: 9905-0137549.
 PR 05-AUG-1999: 9905-0137824.
 XX
 PA (INCYTE GENOMICS INC.
 XX
 PI Hodgson DM, Lincoln SE, Russo FD, Spiro PA, Banville SC;
 PI Bratcher SR, Dufour GE, Cohen RJ, Rosen BH, Chalup MS, Hillman JL,
 PI Jones AL, Yu JT, Greenwalt LB, Panzer SR, Roseberry AM,
 PI Wright RJ, Daniels SE;
 XX
 DR WPI: 2001-016511/02.
 XX
 PT Fifty two human polynucleotides, referred to as DTHP polynucleotides,
 PT useful in the diagnosis and treatment of cancer, immune disorders and
 PT neurological diseases -
 XX
 XX
 XX Claim 1; Page 236; 263pp; English.
 XX
 CC The present sequence is one of fifty-two human polynucleotides for
 CC diagnostics and therapeutics. The polynucleotides are referred to as
 CC DTHP polynucleotides and polypeptides are referred to as
 CC DTHP polynucleotides and polypeptides are referred to as
 CC useful for diagnosing and treating diseases such as cancer, particularly
 CC breast and ovarian cancer, and other cancers of the adrenal gland, bone,
 CC bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital;
 CC immune disorders such as Addison's disease, allergies, autoimmune
 CC haemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's
 CC disease, multiple sclerosis, Rheumatoid arthritis and ulcerative
 CC colitis; cardiovascular disorders such as myocardial ischaemias;
 CC neurological diseases such as cerebral palsy and epilepsy; infectious
 CC diseases such as viral, bacterial, fungal and parasitic infections; and
 CC endocrine disorders (e.g. disorders of hypothalamus), disorders
 CC associated with hypothyroidism and hyperthyroidism, pancreatic
 CC disorders (e.g. diabetes mellitus) and metabolic disorders.
 CC The DTHP polynucleotides are useful for screening for molecules that
 CC bind to or are bound by the encoded polypeptides. The anti-DTHP
 CC antibodies are useful in diagnostic assays.
 XX
 SQ Sequence 1673 BP; 444 A; 444 C; 390 G; 395 T; 0 other:

QY 253 TGCCACACAGCATTTCTCTGACCAACATGGCCATTTCAGTGAAGCTGAACCTGCCCTC 312
 Db 521 tggaccgagcccttggaccctcgacaacacatgycacacagtgcaactctctctgcctc 580
 QY 313 GGACATGACATCCAGGGCCTCCAGTCTCGGTACAGTGCACAGCTGCACCTGCACCTG 372
 Db 581 taccctgtatctggtgacctccccgaaaataltgtagctgccagctccacctgcactg 640
 QY 373 GGGGACCCGCAATGACCGGCTGAGCATACCGTCAAGGGGACGACACTTCTCCGC 432
 Db 641 gggcagagaagaatcccaatggtgacagaacccaagatcaagtgagcacaatltgc 700
 QY 433 CGAGCTGCACATTTGCTATTAATTAACCTGACACCTTATCTTACGACAGACTGCCACA 491
 Db 701 agagctcacacttgtaactatgactgactctcctcattccatgacagcttgagtgctgctg 760
 QY 492 ACAAGTCAAGAGACCTCGCTGCTCTGGGTGCTTCATTTGAGATGGG--CTCTTCAATC 548
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 QY 549 CGTCTATGACAAAGATCTTTCAGTCACTTCAACATGTAAGTAAAGTACAAGCCAGAAAGCAT 608
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Search completed: April 23, 2001, 10:31:59
 Job time: 9882 sec